



Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/539,373
Confirmation Number	4607
Filing Date	June 16, 2005
First Named Inventor	Yoshiyuki FUKUMOTO
Art Unit	2627
Examiner Name	Allen J. HEINZ
Attorney Docket Number	Q88645

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
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		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
AW	✓	WO	01/71735	A1	09-27-2001	Motorola, Inc.	
	✓	JP	2003-324187	A	11-14-2003		
	✓	JP	2004-519859	A	07-02-2004		
	✓	JP	2002-158381	A	05-31-2002		
	✓	JP	2001-237471	A	08-31-2001		
	✓	JP	10-269532	A	10-09-1998		
	✓	JP	2001-84756	A	03-30-2001		
	✓	JP	2002-163810	A	06-07-2002		
	✓	JP	2002-25013	A	01-25-2002		
	✓	JP	2-195284	A	08-01-1990		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature

A. Heinz

Date Considered

4/25/07

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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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		Number	Kind Code ³ (if known)		
AH		US 2002/0044396	A1	04-18-2002	Amano et al.
		US 2004/0145850	A1	07-29-2004	Fukumoto et al.
		US			
		US			
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AH		JP	2000-20922	A	01-21-2000		
✓		EP	1033764	A2	09-06-2000		
✓		JP	62-132211	A	06-15-1987		
✓		JP	3-268216	A	11-28-1991		
✓		EP	1202357	A2	05-02-2002		
✓		JP	2002-329903	A	11-15-2002		
✓		JP	2003-273420	A	09-26-2003		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issues number(s), publisher, city, and/or country where published.	Translation ⁴
AH		S. Cardoso et al., Influence of Ta antidiffusion barriers on the thermal stability of tunnel junctions, Applied Physics Letters (Vol. 78, May 7, 2001, pp. 2911-2913)(the second conventional example).	
✓		J.J. Sun et al., Low resistance and high terminal stability of spin-dependent tunnel junctions with synthetic antiferromagnetic CoFe/Ru/CoFe pinned layers, Applied Physics Letters (Vol. 76, April 24, 2000, pp. 2424-2426).	
✓		S. Cardoso et al., Influence of Ta antidiffusion barriers on the thermal stability of tunnel junctions, Applied Physics Letters (Vol. 76, June 19, 2000, pp. 3792-3794).	
✓		T. Ochiai et al., Improved Thermal Stability of Ferromagnetic Tunnel Junctions With a CoFe/CoFeOx/CoFe Pinned Layer, IEEE Transactions on Magnetics, (Vol. 39, September, 2003, pp. 2797-2799).	

Examiner Signature	A. Heinz	Date Considered	11/21/06
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